

AMENDMENTS TO THE CLAIMS

Claim 1 (Currently Amended) An execution device for executing an application program created in an object-oriented language, the application program including (i) one or more classes, ~~that each class having have~~ one or more methods, and (ii) confidentiality information that corresponds respectively to ~~the each class~~ classes and that expresses whether or not it is necessary for ~~the each~~ corresponding class to be confidential, and includes information indicating a level of confidentiality of each corresponding class, the execution device comprising:

an encryption judgment unit operable to judge whether or not an encryption of data that is manipulated by a method of the a given one or more of the methods is necessary, the judgment being made based on with reference to the confidentiality information that corresponds to the class to which the method belongs; ~~and~~

an object recording unit operable to, when the method is to be executed, record, in a memory, an object that includes the data that the method manipulates; and

an encryption method determination unit operable to, based on the confidentiality information that corresponds to the class to which the method belongs, determine an encryption method,

wherein, when the encryption judgment unit judges that encryption is necessary, the object recording unit records the object having with encrypted included therein data that is encrypted according to the determined encryption method included therein.

Claim 2 (Cancelled)

Claim 3 (Currently Amended) The execution device of Claim 1, wherein
when overwriting the data included in the object using other data, if and when the data
included in the object is encrypted, the other data that overwrites the data is recorded as
encrypted data.

Claim 4 (Currently Amended) The execution device of Claim 3, wherein
the object recorded in the memory includes information indicating showing whether or
not the data included in the object is encrypted, and
when the information indicates shows that the data included in the object is encrypted,
the data is recorded as encrypted data.

Claim 5 (Currently Amended) The execution device of Claim 1, further comprising a data
judgment unit operable to judge whether or not the data is data that is necessary for specifying an
address location of other data, wherein
when the data judgment unit judges that the data is data that is necessary for specifying
the an address location of other data, the encryption is suppressed.

Claim 6 (Cancelled)